# *ANNEX II + III:* TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

**Contract title: Supply of equipment for recycle systems p 1 /…**

**Publication reference:** **088-Supply- 01**

**Columns 1-2 should be completed by the contracting authority**

**Columns 3-4 should be completed by the tenderer**

**Column 5 is reserved for the evaluation committee**

Annex III - the contractor's technical offer

The tenderers are requested to complete the template on the next pages:

* Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
* Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words ‘compliant’ or ‘yes’ are not sufficient)
* Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offeredspecifications.

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
| **1** | **Recycle systems (bins) for schools, offices in administration etc. 3 separations, branded**  -Material- durable plastic or galvanized;  -Possibiliy of inserting plastic bags;  -Galvanized inside vessel;  -Suitable for public places;  -Volume: 3sec x401; diameter: 45cm; height:75cm;  -3 separations; monochrome printing,  -Branded with EU flag and programme flag according to the Visual Identity Guidelines of the Bulgaria-Tureky IPA Cross-Border Programme with logo of the funding Programme and EU flag. |  |  |  |
| **2** | **Can presser, branded**  A tool to press cans and make them compact.  Features:  -Crush cages up to 1/10 of their height  -Releases space in the bucket  -Easy to mount  -Screews are included in the kit.  -Suitable for small and large bowls.  -Material: metal/galvazed or durable plastic  -Bottom has a bottle opener.  -Dimensions: 32x10x10cm at least  - Branded with EU flag and programme flag according to the Visual Identity Guidelines of the Bulgaria-Tureky IPA Cross-Border Programme with logo of the funding Programme and EU flag |  |  |  |
| **3** | **Plastic presser, branded**  A tool to press plastics and make them compact.  -Crush cages up to 1/10 of their height  -Releases space in the bucket  -Easy to mount  -Screews are included in the kit.  -Material: metal/galvazed or durable plastic  -Dimensions: 32x10x10cm at least  - Branded with EU flag and programme flag according to the Visual Identity Guidelines of the Bulgaria-Tureky IPA Cross-Border Programme with logo of the funding Programme and EU flag |  |  |  |
| **4** | **770 lt. straight cover garbage container**  **General Technical Specifications:**  1.1. Container capacity, if the lid is closed,  total capacity; the nominal capacity will be 770 liters (seven hundred liters).  Toleranscapacity will be considered 770 + 5%, - 5% liters.  1.2. The load capacity will be at least 360 kg.  1.3. Container body and caps shall be produced by molding with pure high density polyethylenene (HPDE) hot injection system and shall be made in color by the addition of pigments resistant to ultraviolet rays and atmospheric conditions.  1.4. All materials used in the container will be recyclable; but the proposed containers will not be made from recycled materials.  1.5. It will be resistant to ultraviolet and infrared rays.  1.6. The container lid and casing will be resistant to acids and alkalis.  1.7. The container lid and its body will be resistant to high and low temperatures between -20º and + 80ºC.  1.8. Containers will be green colour. |  |  |  |
|  | 1.9. Containers shall comply with TS EN 840 and RAL-GZ standards. It Documents related to the matter will be submitted with the bid.  1:10. All surfaces of the containers, including design features, should be smooth, free from cracks and free from foreign materials.  1:11. Containers will not contain harmful metals such as Cadmium, Barium, Lead, etc. in terms of environmental pollution and health.  1.12 In storage areas to be made in open and closed warehouses, wheels  No swelling, cracks or deformation will occur in the containers, including the inclusion.  1:13. Containers, on the intended use and forcing the container to be subject  and will be designed to provide the necessary stability under impact.  1.14. Containers should be comply with the safety and health requirements according to TS EN 840-6 standard.  1:15. Containers should be succeeded in the following RAL-GZ quality tests  it must have a quality test document certifying that it is |  |  |  |
|  | The 3 sample products to be selected among the products to be delivered shall be tested at the TSE or KOSGEB laboratories and certified at least 5 out of the tests specified in items a, c, d, e, g, j and k below. Otherwise, the products will not be accepted.  a. Visual inspection and labor control: Measurements must be from 8 different locations Is controlled.  b. Control of deterioration in size in hot environment: The container is kept in a 95 ° C environment for 3 days and then checked by measuring its dimensions. Tolerance is ± 6 mm.  c. Mass (weight) control of the body: It is checked by measuring whether the container is empty and whether it should be in weight.  d. Ball (weight ball) drop control: - In an environment of 18ºC the containers are weak 5 kg from a height of 100 cm. In the weight, the steel ball is checked and its stability is checked.  e. Drop control: Total loaded weight 350 kg. , the stability is checked by making a free fall from the height of 250 cm. The free fall process is repeated 4 times.  f. Surface durability control: Container in water at 70ºC temperature for 48 hours After waiting, it is checked whether there is deformation on the surface. |  |  |  |
|  | g. Downhill impact control: Container 300 kg. 250 cm at 40º incline with load  it is released from the distance and the obstacle is struck. After the collision  the wheels and their connections are checked for damage.  h. Pavement drop control: Container, 300 kg. the load is lifted up to 14 cm height and released to provide a fall. This process is repeated 1000 times to check the stability of the wheels and their connections.  i.Wheel durability check: Container wheel, on revolving platform, 65 kg. load  with 20 km. to control the stability and stability of the wheel.  j. Brake control: In order to control the brakes of the brakes of the containers, the container, with the wheel brakes activated, weighs 300 kg. the load is released at a slope of 40º, and the brake is controlled.  k. Capacity control: The capacity is measured by immersing the container in the pool filled with water and it is checked whether it is in the specified scale. |  |  |  |
|  | **2. Container Lid**  2.1. The container lids will be fitted with the body and the lid will be secured with a suitable connection to the body from at least two points. It should cover the top of the container completely and easily.  2.2. It should be the only cover and should be open to the back. The rear hinges that connect the lid to the body will be designed like grips.  The covers of the containers must be manually opened from above.  2.4. On the lid (as described in item 3.6), one on the front and each  There will be a total of 3 easily gripped handles, one in each side.  **3. Container Body**  3.1. On both sides of the container will be container sidewalk arms made of galvanized steel material suitable for the hydraulic part of the garbage truck. The lifting arms during the lifting of the container will be able to withstand the rated load safely.  3.2. Underneath the container there will be no drainage hole and cover; the container base will be leak proof. |  |  |  |
|  | 3.3. The metal parts of the containers (electro-galvanized) will be resistant to corrosion.  3.4. The standard number, nominal volume, manufacturer's trade name or registered mark, date of manufacture (month and year), and total total load in kg shall be found so as not to be wiped off in any visible part of the surface of all containers.  3.5. There will be 2 grips on each side of the body, which can be easily gripped and interlocked with the handles of the workers working with the containers. These grips will be manufactured separately from the body in order to be replaced with a new one in case of breakage and breakage, they will not be united with the body. These grips will be of different color (preferred black color) with the body.  **4. Wheels**  4.1. It will be in solid construction for robust and safe maneuvering; reinforcements will be found on the underside of the containers where the wheels are fitted. Warranty will be provided for at least 2 (two) years.  4.2. It will be the foot brake for safe and easy stopping.  4.3. Beneath the container there will be a total of four wheels with at least 2 (two) brakes. Wheels should be minimum 200x50 mm dimensions, and 360º feature. |  |  |  |
| **5** | **Information signboard behind the containers**   * A shape which is 30cm x 30cm and 1,5mm thickness is used as frame for sign and information boards. * The height of the sign boards is 250cm and size is 200cm x 150 cm * The sign boards are vinyl print and has 6 pass print quality. They will be water and sun resistant. * The sign boards will be mounted at designated places * Transportation and other costs are imbursed by the contractor. * The colour scales that are specified at IPA II used at the designs of the signboards * The content of the sign boards are designed by the institution. |  |  |  |